

| | Type | Hits | Search Text | DBs |
|----|------|------|---|----------|
| 1 | IS&R | 1639 | (257/510,513,520,344,408,900).CCLS. | USPAT |
| 2 | IS&R | 889 | (438/300,301).CCLS. | USPAT |
| 3 | BRS | 7 | ("5610083" "5620912" "5691231" "5780912" "5943575" "6015993" "6060364").PN. | USPAT |
| 4 | BRS | 3 | 5943575.URPN. | USPAT |
| 5 | BRS | 23 | 5620912.URPN. | USPAT |
| 6 | BRS | 12 | ("5436488" "5512767" "5557135" "5661320" "5701022" "5723889" "5854500" "5861649" "5869376" "5909044" "5939746" "6294473").PN. | USPAT |
| 7 | BRS | 0 | 6420749.URPN. | USPAT |
| 8 | BRS | 9 | ("4899202" "5060035" "5331197" "5448094" "5453635" "5567966" "5583064" "5817560" "5998288").PN. | USPAT |
| 9 | BRS | 16 | ("4963502" "5773348" "5798291" "5856226" "5877056" "5895244" "5902125" "5956584" "5972762" "5994176" "5994747" "6020240" "6034396" "6046090" "6063706" "6087234").PN. | USPAT |
| 10 | BRS | 7 | ("5610083" "5620912" "5691231" "5780912" "5943575" "6015993" "6060364").PN. | USPAT |
| 11 | IS&R | 1 | ("20020007219").PN. | US-PGPUB |
| 12 | IS&R | 3043 | (257/773,775,776,758,207,208,211).CCLS. | USPAT |
| 13 | IS&R | 1 | ("5763936").PN. | USPAT |
| 14 | IS&R | 6 | ((("5375095") or ("5693568") or ("5341028") or ("4958222") or ("5874779") or ("5138403"))).PN. | USPAT |
| 15 | BRS | 22 | 5693568.URPN. | USPAT |
| 16 | BRS | 9 | ("4536951" "4914056" "4954423" "4996133" "5055426" "5093279" "5262354" "5380679" "5512514").PN. | USPAT |
| 17 | BRS | 20 | 5512514.URPN. | USPAT |
| 18 | BRS | 18 | ("4892753" "5250843" "5260236" "5306946" "5494854" "5512514" "5560802" "5565247" "5641712" "5650359" "5686356" "5698467" "5705028" "5716890" "5721172" "5728621" "5885894" "5976993").PN. | USPAT |
| 19 | BRS | 1 | 6187683.URPN. | USPAT |
| 20 | BRS | 16 | 5055426.URPN. | USPAT |

| | Type | Hits | Search Text | DBs |
|----|------|------|---|-------|
| 21 | BRS | 1 | 5773365.URPN. | USPAT |
| 22 | BRS | 8 | ("4617723" "5055426" "5210053" "5358903" "5453154" "5462893" "5602053" "5637534").PN. | USPAT |
| 23 | IS&R | 2 | ((("5396100") or ("5363325"))).PN. | USPAT |
| 24 | IS&R | 8 | ((("5688724") or ("4866493") or ("4115914") or ("5683931") or ("5869859") or ("5880508") or ("4255756") or ("5858843"))).PN. | USPAT |
| 25 | BRS | 97 | hung near2 vu | USPAT |
| 26 | BRS | 10 | ("4824521" "5055158" "5140389" "5270241" "5302233" "5346587" "5411909" "5529946" "5685947" "5804851").PN. | USPAT |
| 27 | BRS | 4 | ("4966868" "5030584" "5037772" "5264076").PN. | USPAT |
| 28 | BRS | 13 | 5346587.URPN. | USPAT |
| 29 | BRS | 1 | 6133115.URPN. | USPAT |
| 30 | BRS | 13 | ("4671851" "4800171" "4868135" "4950616" "5001074" "5134085" "5258096" "5261998" "5346587" "5405790" "5441902" "5494842" "5777358").PN. | USPAT |
| 31 | BRS | 10 | ("4824521" "5055158" "5140389" "5270241" "5302233" "5346587" "5411909" "5529946" "5685947" "5804851").PN. | USPAT |
| 32 | BRS | 27 | 5055158.URPN. | USPAT |
| 33 | BRS | 7 | ("4824521" "5055158" "5270241" "5302233" "5411909" "5529946" "5685947").PN. | USPAT |
| 34 | BRS | 2 | 5945348.URPN. | USPAT |
| 35 | BRS | 27 | 5055158.URPN. | USPAT |
| 36 | BRS | 2 | ("4548834" "4904619").PN. | USPAT |
| 37 | BRS | 0 | 6274897.URPN. | USPAT |
| 38 | BRS | 19 | ("4832789" "4952528" "4962058" "5034347" "5192714" "5252516" "5305519" "5451551" "5459093" "5468682" "5471093" "5490901" "5514613" "5517060" "5604156" "5629236" "5693568" "5760429" "5846876").PN. | USPAT |
| 39 | BRS | 0 | 6150721.URPN. | USPAT |
| 40 | BRS | 0 | 6150721.URPN. | USPAT |

| | Type | Hits | Search Text | DBs |
|----|------|------|---|-------|
| 41 | BRS | 3 | ("5278449" "5407861" "5600182").PN. | USPAT |
| 42 | BRS | 0 | 5990561.URPN. | USPAT |
| 43 | IS&R | 4 | ((("6396727") or ("6087251") or ("5420462") or ("5693568"))).PN. | USPAT |
| 44 | BRS | 21 | ("4824521" "4958222" "5055423" "5138403" "5331196" "5341026" "5363325" "5375095" "5396100" "5516726" "5543358" "5580809" "5658819" "5693568" "5730835" "5818089" "5874779" "5883007" "6100590" "6178113" "6189582").PN. | USPAT |
| 45 | BRS | 1 | 5543358.URPN. | USPAT |
| 46 | BRS | 4 | ("3775838" "4718977" "5002902" "5111276").PN. | USPAT |
| 47 | BRS | 4 | ("3488840" "3470611" "3556951" "3561107").PN. | USPAT |
| 48 | BRS | 8 | 3775838.URPN. | USPAT |
| 49 | BRS | 4 | ("3775838" "4718977" "5002902" "5111276").PN. | USPAT |
| 50 | BRS | 1 | 5543358.URPN. | USPAT |
| 51 | BRS | 5 | ("5187121" "5382545" "5677243" "5693568" "5767012").PN. | USPAT |
| 52 | BRS | 7 | 5767012.URPN. | USPAT |
| 53 | BRS | 0 | 6352916.URPN. | USPAT |
| 54 | BRS | 7 | ("5539255" "5596230" "5767012" "5846881" "5886411" "6083824" "6087251").PN. | USPAT |
| 55 | BRS | 2 | 6087251.URPN. | USPAT |
| 56 | BRS | 9 | ("4536951" "4914056" "4954423" "4996133" "5055426" "5093279" "5262354" "5380679" "5512514").PN. | USPAT |
| 57 | BRS | 22 | 5693568.URPN. | USPAT |
| 58 | BRS | 8 | ("4996133" "5055426" "5093279" "5262354" "5371047" "5512514" "5691238" "5693568").PN. | USPAT |
| 59 | BRS | 6 | ("5693568" "5864179" "5915203" "6174804" "6180514" "6232656").PN. | USPAT |
| 60 | BRS | 0 | 6313037.URPN. | USPAT |
| 61 | BRS | 9 | ("5512514" "5691238" "5693568" "5846876" "6030896" "6054389" "6140238" "6143638" "6228770").PN. | USPAT |

| | Type | Hits | Search Text | DBs |
|----|------|-------|---|-------|
| 62 | BRS | 9 | ("5512514" "5691238" "5693568" "5773365" "5882996" "5926732" "5960254" "5969422" "6184138").PN. | USPAT |
| 63 | BRS | 22 | 5693568.URPN. | USPAT |
| 64 | BRS | 4 | ("4879257" "5200635" "5218219" "5256892").PN. | USPAT |
| 65 | BRS | 3 | ("5025301" "5028990" "5057449").PN. | USPAT |
| 66 | BRS | 3 | 5256892.URPN. | USPAT |
| 67 | BRS | 4 | 5602050.URPN. | USPAT |
| 68 | BRS | 4 | ("4905068" "5385867" "5571751" "5602050").PN. | USPAT |
| 69 | BRS | 4 | 5854515.URPN. | USPAT |
| 70 | BRS | 37 | ("4789648" "4832789" "4905068" "4987099" "4996133" "5010039" "5034347" "5034799" "5189506" "5204286" "5286675" "5300456" "5312777" "5328553" "5354711" "5385867" "5451551" "5451804" "5530262" "5571751" "5596230" "5602050" "5604156" "5612254" "5635423" "5726100" "5728619" "5741741" "5753565" "5759911" "5759914" "5818110" "5827776" "5847462" "5854515" "5858877" "5869396").PN. | USPAT |
| 71 | BRS | 2 | 6090703.URPN. | USPAT |
| 72 | BRS | 0 | 6127264.URPN. | USPAT |
| 73 | BRS | 15 | ("4489481" "5279983" "5288655" "5313417" "5340774" "5389558" "5602050" "5629224" "5670409" "5688720" "5869392" "5880003" "5937322" "6008540" "6087250").PN. | USPAT |
| 74 | BRS | 13 | ("4713356" "4879257" "5026666" "5081065" "5135881" "5200635" "5218219" "5252516" "5256892" "5290728" "5346587" "5411909" "5422289").PN. | USPAT |
| 75 | BRS | 3 | 5256892.URPN. | USPAT |
| 76 | BRS | 83944 | thick same thin | USPAT |
| 77 | BRS | 6227 | (thick same thin) and wiring | USPAT |
| 78 | BRS | 3648 | ((thick same thin) and wiring) and power | USPAT |

| | Type | Hits | Search Text | DBs |
|-----|------|-------|---|----------------------------|
| 79 | BRS | 4078 | ((thick same thin) and wiring) and (power or ground) | USPAT |
| 80 | BRS | 2486 | ((((thick same thin) and wiring) and (power or ground)) and semiconductor | USPAT |
| 81 | BRS | 1096 | (((((thick same thin) and wiring) and (power or ground)) and semiconductor) and interconnect\$4 | USPAT |
| 82 | BRS | 6 | ("5288655" "5320976" "5364811" "5387532" "5438008" "5604365").PN. | USPAT |
| 83 | BRS | 7979 | (photoresist or mask) near3 (silicon adj (oxide or dioxide or nitride) or sio or sin) | USPAT |
| 84 | BRS | 5713 | (photoresist or mask) near2 (silicon adj (oxide or dioxide or nitride) or sio or sin) | USPAT |
| 85 | BRS | 5481 | ((photoresist or mask) near2 (silicon adj (oxide or dioxide or nitride) or sio or sin)) and substrate | USPAT |
| 86 | BRS | 779 | ((((photoresist or mask) near2 (silicon adj (oxide or dioxide or nitride) or sio or sin)) and substrate) and interconnect | USPAT |
| 87 | BRS | 1048 | (photoresist or mask) near2 (w or tungsten) | USPAT |
| 88 | BRS | 135 | ((photoresist or mask) near2 (w or tungsten)) and interconnect | USPAT |
| 89 | IS&R | 1 | ("6396727").PN. | USPAT |
| 90 | BRS | 19276 | akira.in. | USPAT |
| 91 | BRS | 2 | tamakoshi adj akira.in. | USPAT |
| 92 | BRS | 325 | akira.in. and nec | USPAT |
| 93 | BRS | 32 | tamakoshi adj akira.in. | EPO; JPO; DERWENT; IBM_TDB |
| 94 | BRS | 5 | ("3673471" "5021354" "5278085" "5567642" "5595922").PN. | USPAT |
| 95 | BRS | 2 | 6049113.URPN. | USPAT |
| 96 | BRS | 5 | ("5021354" "5278085" "5567642" "5595922" "5677563").PN. | USPAT |
| 97 | BRS | 3 | 6033944.URPN. | USPAT |
| 98 | IS&R | 1846 | (257/510,513,520,344,408,900).CCLS. | USPAT |
| 99 | BRS | 3024 | hardmask hard adj mask hard-mask | USPAT |
| 100 | BRS | 63 | ((257/510,513,520,344,408,900).CCLS.) and (hardmask hard adj mask hard-mask) | USPAT |
| 101 | IS&R | 1012 | (438/300,301).CCLS. | USPAT |

| | Type | Hits | Search Text | DBs |
|-----|------|------|--|--------------------------------------|
| 102 | BRS | 51 | ((438/300,301).CCLS.) and (hardmask hard adj mask hard-mask) | USPAT |
| 103 | IS&R | 4751 | (257/773,775,776,758,207,208,211,368,369).CCLS. | USPAT |
| 104 | BRS | 109 | ((257/773,775,776,758,207,208,211,368,369).CCLS.) and (hardmask hard adj mask hard-mask) | USPAT |
| 105 | IS&R | 1912 | (438/618,638,619,666,280,128,129).CCLS. | USPAT |
| 106 | BRS | 180 | ((438/618,638,619,666,280,128,129).CCLS.) and (hardmask hard adj mask hard-mask) | USPAT |
| 107 | BRS | 2 | 5420462.URPN. | USPAT |
| 108 | BRS | 4 | ("4879257" "5200635" "5218219" "5256892").PN. | USPAT |
| 109 | BRS | 16 | 5346587.URPN. | USPAT |
| 110 | BRS | 10 | ("4824521" "5055158" "5140389" "5270241" "5302233" "5346587" "5411909" "5529946" "5685947" "5804851").PN. | USPAT |
| 111 | BRS | 3636 | photoresist with temperature | USPAT |
| 112 | BRS | 16 | (photoresist with temperature) with (hardmask hard-mask hard adj mask) | USPAT |
| 113 | BRS | 5 | ((removed removing remove removes) near2 photoresist) with temperature) same (hardmask hard-mask hard adj mask) | USPAT |
| 114 | BRS | 1658 | ((removed removing remove removes) near2 photoresist) same temperature | USPAT |
| 115 | BRS | 10 | ((removed removing remove removes) near2 photoresist) same temperature) same (hardmask hard-mask hard adj mask) | USPAT |
| 116 | BRS | 302 | ((removed removing remove removes) near2 resist) with temperature | USPAT |
| 117 | BRS | 378 | ((removal removed removing remove removes) near2 resist) with temperature | USPAT |
| 118 | BRS | 2 | ((removal removed removing remove removes) near2 resist) with temperature) same (hardmask hard-mask hard adj mask) | USPAT |
| 119 | BRS | 287 | ((removal removed removing remove removes) near2 resist) with temperature | US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 120 | BRS | 2 | ((removal removed removing remove removes) near2 resist) with temperature) same (hardmask hard-mask hard adj mask) | US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 121 | BRS | 3358 | ((removal removed removing remove removes) near2 (photoresist resist)) same temperature | USPAT |
| 122 | BRS | 27 | ((removal removed removing remove removes) near2 (photoresist resist)) same temperature) same (hardmask hard-mask hard adj mask) | USPAT |

| | Type | Hits | Search Text | DBs |
|-----|------|------|---|--------------------------------------|
| 123 | BRS | 6 | ("4983490" "5362608" "5759736" "5886410" "5924005" "5968848").PN. | USPAT |
| 124 | BRS | 432 | ((removed removing remove removes) near2 photoresist) with temperature | USPAT |
| 125 | BRS | 1395 | (photoresist resist) with (hardmask hard-mask hard adj mask) | USPAT |
| 126 | BRS | 701 | ((photoresist resist) with (hardmask hard-mask hard adj mask)) and (interconnect interconnection wire wiring) | USPAT |
| 127 | BRS | 81 | ((257/510,513,520,344,408,900).CCLS.) and (hardmask hard adj mask hard-mask) | USPAT |
| 128 | BRS | 65 | ((438/300,301).CCLS.) and (hardmask hard adj mask hard-mask) | USPAT |
| 129 | BRS | 146 | ((257/773,775,776,758,207,208,211,368,369).CCLS.) and (hardmask hard adj mask hard-mask) | USPAT |
| 130 | BRS | 211 | ((438/618,638,619,666,280,128,129).CCLS.) and (hardmask hard adj mask hard-mask) | USPAT |
| 131 | BRS | 9 | ("5512514" "5691238" "5693568" "5773365" "5882996" "5926732" "5960254" "5969422" "6184138").PN. | USPAT |
| 132 | BRS | 97 | ((257/773,775,776,758,207,208,211,368,369).CCLS.) and (hardmask hard adj mask hard-mask) | US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 133 | BRS | 36 | ((257/510,513,520,344,408,900).CCLS.) and (hardmask hard adj mask hard-mask) | US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 134 | BRS | 18 | ((438/300,301).CCLS.) and (hardmask hard adj mask hard-mask) | US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 135 | BRS | 80 | ((438/618,638,619,666,280,128,129).CCLS.) and (hardmask hard adj mask hard-mask) | US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 136 | BRS | 24 | 5512514.URPN. | USPAT |
| 137 | BRS | 13 | ("4410622" "4536951" "4614021" "4810332" "4879257" "4914056" "4917759" "4960489" "5164332" "5192713" "5202579" "5216282" "5219639").PN. | USPAT |
| 138 | BRS | 83 | ((257/510,513,520,344,408,900).CCLS.) and (hardmask hard adj mask hard-mask) | USPAT |
| 139 | BRS | 68 | ((438/300,301).CCLS.) and (hardmask hard adj mask hard-mask) | USPAT |
| 140 | BRS | 157 | ((257/773,775,776,758,207,208,211,368,369).CCLS.) and (hardmask hard adj mask hard-mask) | USPAT |
| 141 | BRS | 226 | ((438/618,638,619,666,280,128,129).CCLS.) and (hardmask hard adj mask hard-mask) | USPAT |
| 142 | BRS | 116 | ((257/773,775,776,758,207,208,211,368,369).CCLS.) and (hardmask hard adj mask hard-mask) | US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 143 | BRS | 42 | ((257/510,513,520,344,408,900).CCLS.) and (hardmask hard adj mask hard-mask) | US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |

| | Type | Hits | Search Text | DBs |
|-----|------|------|--|--------------------------------------|
| 144 | BRS | 20 | ((438/300,301).CCLS.) and (hardmask hard adj mask hard-mask) | US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 145 | BRS | 95 | ((438/618,638,619,666,280,128,129).CCLS.) and (hardmask hard adj mask hard-mask) | US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 146 | IS&R | 1 | ("6271563").PN. | USPAT |
| 147 | IS&R | 1 | ("5726479").PN. | USPAT |